



United States Environmental Protection Agency  
Washington, D.C. 20460

## Water Compliance Inspection Report

### Section A: National Data System Coding (i.e., PCS)

|                      |  |             |                 |             |          |
|----------------------|--|-------------|-----------------|-------------|----------|
| Transaction Code     | NPDES                                      | yr/mo/day   | Inspection Type | Inspector   | Fac Type |
| 1 N                  | W A G 0 1 3 0 4 7                          | 0 1 0 3 3 1 | =               | R           | 3        |
| Remarks              |  |             |                 |             |          |
| 21                   |  |             |                 |             |          |
| 66                   |  |             |                 |             |          |
| Inspection Work Days | Facility Self-Monitoring Evaluation Rating | BI          | QA              | Reserved    |          |
| 67 69                | 70   | 71          | 72              | 73 74 75 80 |          |

### Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)

Edaleen Dairy, LLC  
9409 Depot Road  
Lynden, WA 98264

Entry Time/Date

3/31/10 9:45 am

Permit Effective Date

7/21/06

Exit Time/Date

3/31/10 1:00 pm

Permit Expiration Date

7/21/11

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Dale Boersema, Farm Manager

(b)(6)

(b)(6)

Other Facility Data (e.g., SIC NAICS, and other descriptive information)

SIC = 0241

Name, Address of Responsible Official/Title/Phone and Fax Number

Mitch Moorlay, General Manager, (b)(6)  
9409 Depot Road  
Lynden, WA 98264

Contacted

☒ Yes ☐ No

### Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

|   |   |  |                              |
|---|---|--|------------------------------|
| <input checked="" type="checkbox"/> Permit                    | <input type="checkbox"/> Self-Monitoring Program  | <input type="checkbox"/> Pretreatment            | <input type="checkbox"/> MS4 |
| <input checked="" type="checkbox"/> Records/Reports           | <input type="checkbox"/> Compliance Schedules     | <input type="checkbox"/> Pollution Prevention    |                              |
| <input checked="" type="checkbox"/> Facility Site Review      | <input type="checkbox"/> Laboratory               | <input type="checkbox"/> Storm Water             |                              |
| <input checked="" type="checkbox"/> Effluent/Receiving Waters | <input type="checkbox"/> Operations & Maintenance | <input type="checkbox"/> Combined Sewer Overflow |                              |
| <input type="checkbox"/> Flow Measurement                     | <input type="checkbox"/> Sludge Handling/Disposal | <input type="checkbox"/> Sanitary Sewer Overflow |                              |

### Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes SEV Description

• • • • •  
• • • • •  
• • • • •  
• • • • •

See  
attached  
report.

RECEIVED

APR - 8 2010

U.S. EPA REGION 10  
OFFICE OF COMPLIANCE AND ENFORCEMENT

Name(s) and Signature(s) of Inspector(s)

Sandra Brozusky

Agency/Office/Phone and Fax Numbers

EPA/OCE/IEMU 206-553-5317

Date

4/8/10

Jon Klemesrud

EPA/OCE/IEMU 206-553-5068

Signature of Management/QA Reviewer

Agency/Office/Phone and Fax Numbers

Date

07/06/10

PCS WAG 0130477

PCS  
4-8-2010  
JB

**NPDES  
Inspection Report**

**Edaleen Dairy, LLC**

**Ferndale, Washington**

**March 31, 2010**

**Prepared by:  
Sandra Brozusky, Environmental Protection Specialist  
Environmental Protection Agency, Region 10  
Office of Compliance and Enforcement  
Inspection and Enforcement Management Unit**

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(Unless otherwise noted, all details in this inspection report were obtained from conversations with Dale Boersema or from observations during the inspection.)

**I. Facility Information**

Facility Name: Edaleen Dairy, LLC

Facility Type: Dairy (SIC = 0241)

Facility/Mailing Address: 9409 Depot Road  
Ferndale, WA 98248  
Whatcom County

Facility Phone #s: (b)(6)  
(b)(6)

Facility Contact(s): Dale Boersema (Farm Manager)  
Ed Brandsma (Primary Owner)  
Mitch Moorlay (General Manager and Partial Owner)

**II. Inspection Information**

Inspection Date: March 31, 2010

Arrival Time: 9:45 AM

Departure Time: 1:00 PM

Weather: Overcast, no rain

Purpose: Determination of compliance with the facility's NPDES Permit and the Clean Water Act.

**III. Permit Information**

This facility is currently permitted under the Washington State Concentrated Animal Feeding Operation National Pollution Discharge Elimination System and State Waste Discharge Permit. The facility's NPDES permit number is WAG013047.

**IV. Background and Activity**

This dairy has been operated by the current owner since 1975. The waste generated at this facility is mainly from the areas where animals are confined (the feeding area and the

**IX. Number of Animals**

Mr. Boersema indicated that the property housed 2200 milking cows, 194 dry cows and 207 Heifers at the time of inspection.

**X. Presence of Vegetation in the Confinement Areas**

The barns at this facility (where the animals are fed and maintained) and the milking parlor had concrete floors. Based on my observation at the time of the inspection, the confinement barns and the milking parlor were devoid of vegetation.

**XI. Length of Animal Confinement**

According to Mr. Boersema, the animals are confined year round.

**XII. Waste Management Process**

The dairy has four confinement facilities (F1, F2, F3 and the calf barn) across the property. F1 houses milking and dry cows, while F2 and F3 house yearlings. The calf barn near application field 12a, houses calves only. See attachment A for an aerial map showing general locations of these facilities. Aerial overviews for each facility are included in attachment B.

In general, waste generated at the confinement areas can be pumped to various lagoons on the property, depending on available storage capacity. While each confinement facility has a storage lagoon nearby, the dairy owns and rents additional lagoons to store waste. Through a series of piping, waste can be routed to these lagoons for storage before the waste is land applied. In addition to the lagoons, the dairy owns three solid separators. Dry stacked manure from the separators is either exported to neighboring farms or land applied.

Mr. Boersema indicated that the facility has a total of approximately 900 acres (owned and leased) to land apply waste. Waste is applied using injection or a manure truck spreader.

**XIII. Observed Discharge**

At the time of this inspection, I did not see a discharge to nearby surface water.

**XIV. Areas of Concern**

We inspected the facility including the confinement areas and the waste handling system. I did not see any areas of concern at the time of inspection.

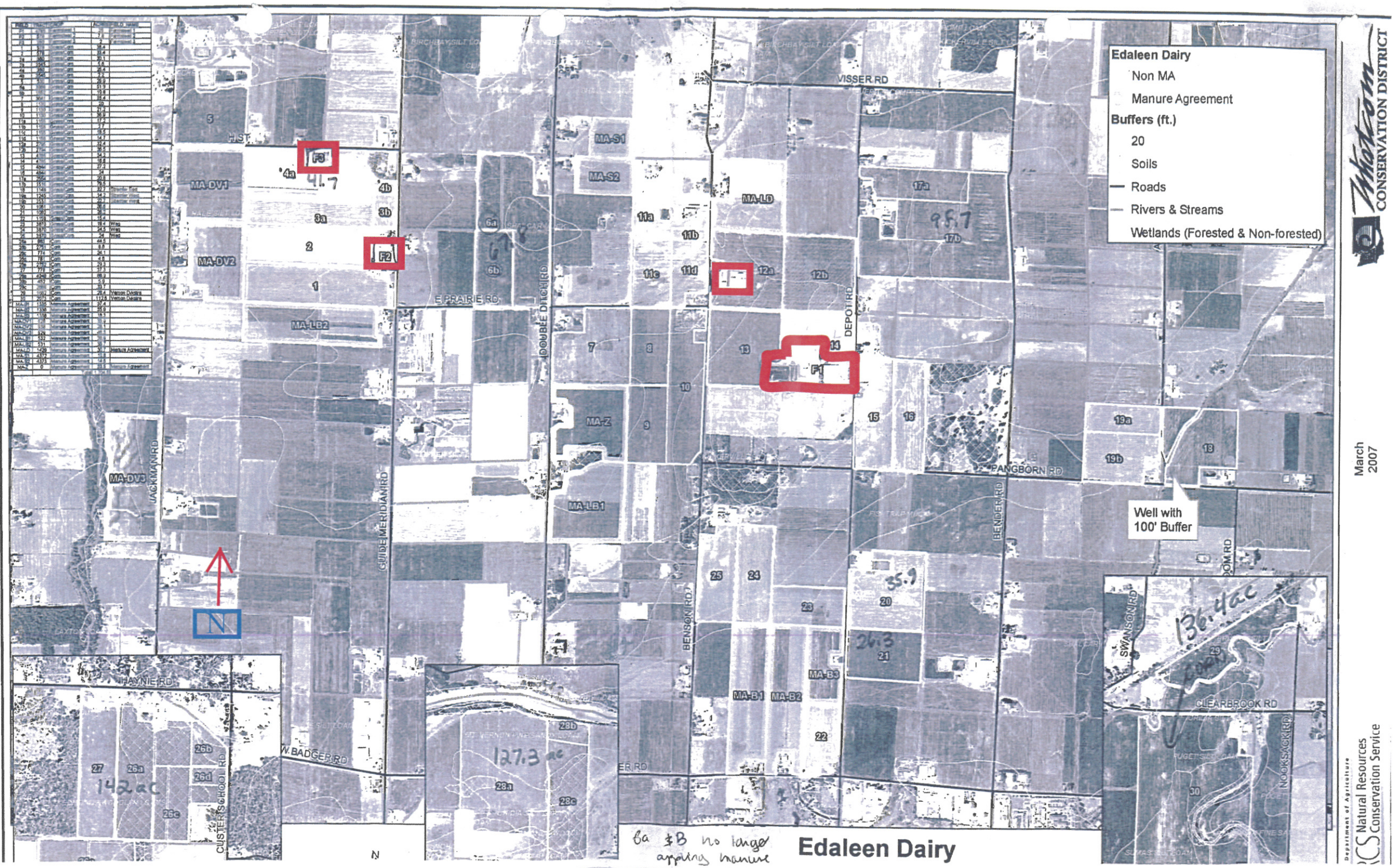
# **ATTACHMENT A**

## **Aerial Overview of the Edaleen Dairy Property**

**Retrieved from the facility's Nutrient Management Plan  
Edaleen Dairy, LLC**

**(The red boxes outline the four facilities on the property)**







## **ATTACHMENT B**

**Aerial Overviews of the Edaleen Dairy Facilities and Confinement Areas**  
**Edaleen Dairy, LLC**



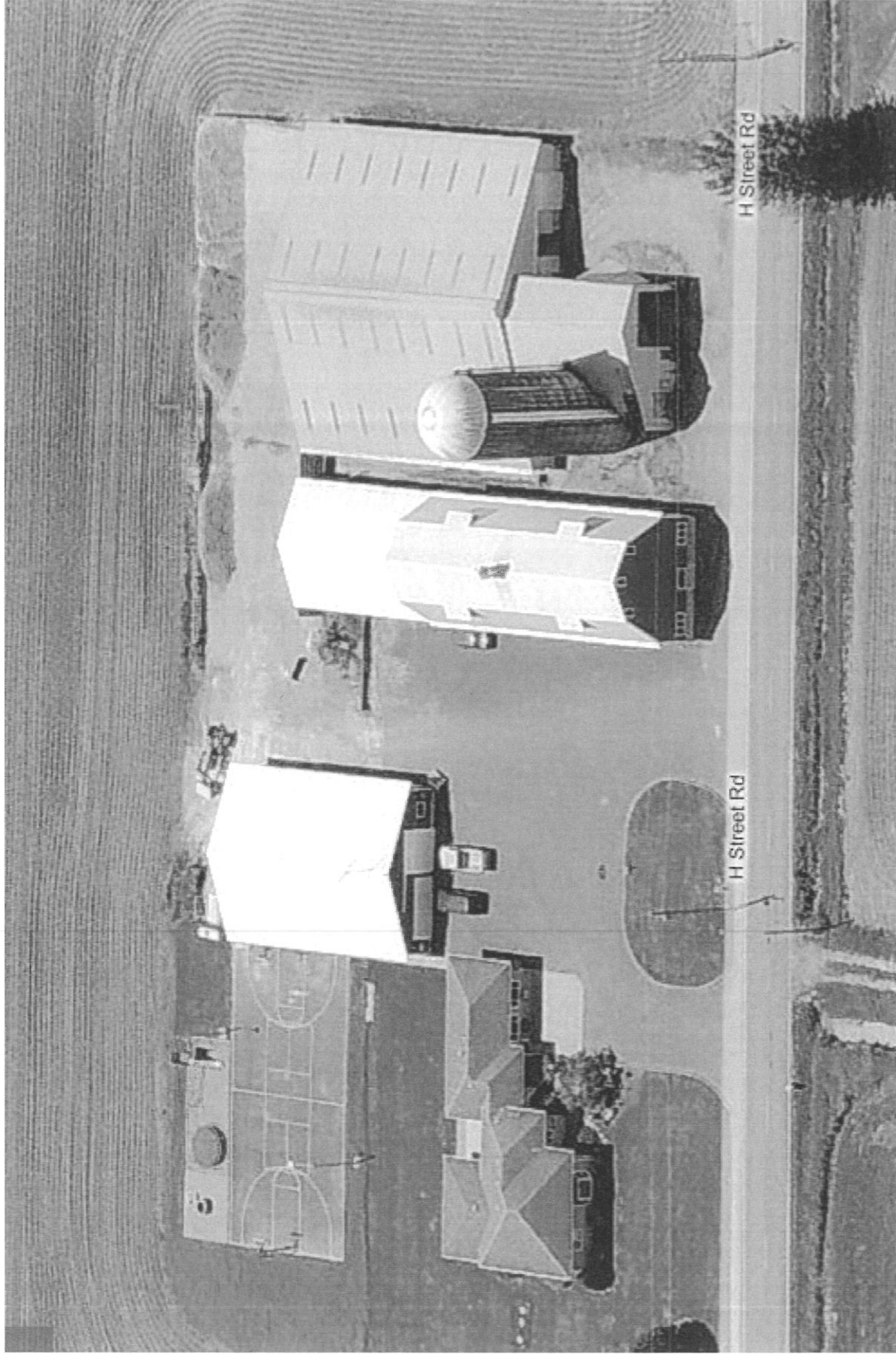


Overview of F1, which houses the milking and dry cow's confinement areas



Overview of F2 which contains the confinement area for yearlings and the creamery building





Overview of F3 which also confines yearlings





Overview of the calf barn near application field 12a which confines calves only

# **ATTACHMENT C**

## **Photograph Documentation** **Edaleen Dairy, LLC**

All photographs were taken by Jon Klemesrud on March 31, 2010





Photo #1: View of the confinement area at F1 (Facility 1).



Photo #2: A view of one of two waste storage lagoons located at F1.